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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/728,356	12/03/2003	Peter A. Panec	GCENP004	6402
22434	7590	09/21/2004	EXAMINER	
BEYER WEAVER & THOMAS LLP			ZHONG, CHAD	
P.O. BOX 778			ART UNIT	
BERKELEY, CA 94704-0778			PAPER NUMBER	
			2152	

DATE MAILED: 09/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/728,356

Applicant(s)

PANEC ET AL.

Examiner

Chad Zhong

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 03 June 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-67 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-67 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 December 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 4/24 & 5/10/04
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. Claims 1-67 are presented for examination.
2. It is noted that although the present application does contain line numbers in specification and claims, the line numbers in the claims do not correspond to the preferred format. The preferred format is to number each line of every claim, with each claim beginning with line 1. For ease of reference by both the Examiner and Applicant all future correspondence should include the recommended line numbering.
3. The specification is objected to because of the following:

current US patent policy does not permit the use of hyperlinks in the specification. Such links are directed to an Internet site, the contents of which are subject to change without notice. Therefore, the potential for inclusion of new matter would be a constant problem. See page 30, Fig 4, for example. Appropriate correction is required on the entire drawings, specification and appendix.
4. The use of the trademark Oracle, SAP, PeopleSoft among others have been noted in this application (pg 2, for example). It should be capitalized wherever it appears and be accompanied by the generic terminology. Appropriate correction is required on the entire specification and appendix.

### *Claim Rejections - 35 USC § 112, second paragraph*

5. The entire dependent claims section are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
  - a. The claim language in the following claims is murky or not clearly understood:
    - i. As per all the independent claims, line 1, it is not clearly understood whether "a method"

refers to "a method" in the independent claims (i.e. if they are the same, the word such as "said" or "the" must be used).

*Claim Rejections - 35 USC § 102*

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371 (c) of this title before the invention thereof by the applicant for patent.

7. Claims 1-67 are rejected under 35 U.S.C. 102(e) as being anticipated by Bowman-Amuah (hereinafter Bowman), US 2003/0058277.

8. As per claim 1, Bowman teaches a method for correlating services within a computer network, the method comprising:

providing a message interchange network which manages a plurality of services which are each accessible by a plurality of services (email service or voice service for example); and

tracking correlation information regarding each message received into message interchange network, wherein the messages are being sent between pairs of the services, wherein the correlation information for each message pertains to each message and any other messages related to the each message (pg 23, [0680]; pg 32, [0911]; pg 36, [1013]; pg 47, [1363]; pg 51, [1499]; pg 51, [1510]; claim 8; tracking access rights for example is a way to keep track of privileged users have the ability to achieve information editing, inherently there is a log to keep track of activities and a log to keep track of the privileges; further, as an example, when information messages are sent between client and server, the services in between keeps track of correlation information).

9. As per claim 2, Bowman teaches a method as recited in claim 1, wherein the correlation information for each message includes message information regarding the each message and/or call information regarding a call to which the each message and any other related message belongs, and/or session information regarding a session to which the each message and any other related message belongs (pg 141, [3685]; pg 16, [0460]; pg 177, pg 151; pg 42, [1203]; pg 49, [1434]; pg 63, [1930]).

10. As per claim 3, Bowman teaches a method as recited in claim 2, wherein the message information for each message includes a Hop Identifier (ID) uniquely identifying a hop between a sender and receiver of the each message (pg 116, [3131]; pg 163, [4135]; pg 164, [4175]).

11. As per claim 4, Bowman teaches a method as recited in claim 3, wherein the message information for each message further includes an identification of the each message's sending service and receiving service (pg 164, [4185]; pg 170, [4314]).

12. As per claim 5, Bowman teaches a method as recited in claim 3, wherein the message information for each message further includes an indication as to whether the each message has completed transmission (pg 176, [4438]; pg 180, [4515], [4523]).

13. As per claim 6, Bowman teaches a method as recited in claim 5, wherein the message information for each message further includes a reason or error log regarding why the each message has failed to complete its transmission if the each message has failed (pg 37, [1057]; pg 11, [0332]; pg 41, [1176]).

14. As per claim 7, Bowman teaches A method as recited in claim 3, wherein the message information for each message further includes a portion of the each message content (pg 151, pg 141, [3685]).

15. As per claim 8, Bowman teaches A method as recited in claim 3, wherein the message

information for each message further includes two or more of the following: an identification of the each message's sending and receiving service, an indication as to whether the each message has completed transmission, a reason or error log regarding why the each message has failed to complete its transmission if the each message has failed, and a portion of the each message content, a size of the each message, a topic of the each message, a status on processing steps taken on the each message, and specification of any protocols used in receiving and sending the each message (pg 41, [1176]; pg 164, [4185]; pg 170, [4314]).

16. As per claim 9, Bowman teaches A method as recited in claim 2, wherein the call information for each call includes a Call Identifier (ID) uniquely identifying the each call (pg 116, [3131], [3132]; pg 136, [3551]; pg 118, [3166]).

17. As per claim 10, claim 10 is rejected for the same reasons as rejection to claim 8 above.

18. As per claim 11, Bowman teaches A method as recited in claim 2, wherein the session information for each session includes a Session Identifier (ID) uniquely identifying the each session (pg 42, [1203]; pg 49, [1434]; pg 63, [1930]).

19. As per claim 12, claim 12 is rejected for the same reasons as rejection to claim 5 above.

20. As per claim 13, Bowman teaches A method as recited in claim 11, wherein the session information for each session further includes a calculated or executed route for messages sent within the each session (pg 23, [0680]; pg 32, [0911]; pg 36, [1013]; pg 47, [1363]; pg 51, [1499]).

21. As per claim 14, Bowman teaches A method as recited in claim 11, wherein the session information for each session further includes an identity and status of each service of the each session (pg 130).

22. As per claim 15, claim 15 is rejected for the same reasons as rejection to claim 8 above.
23. As per claim 16, Bowman teaches A method as recited in claim 2, wherein each message belongs to a particular call between two of the services (pg 23, [0680]; pg 32, [0911]; pg 36, [1013]; pg 47, [1363]; pg 51, [1499]).
24. As per claim 17, Bowman teaches A method as recited in claim 2, wherein each call may include a request message and a response message or a notification message (pg 152, [3891]; pg 36, [0999]).
25. As per claim 18, Bowman teaches A method as recited in claim 2, wherein a call is defined as a set of predefined message types (pg 28, [0805], [0796]; pg 71, [2151]).
26. As per claim 19, Bowman teaches A method as recited in claim 2, wherein a session is determined by the services which send messages for the set of calls as a set of calls (pg 42, [1203]; pg 49, [1434]; pg 63, [1930]).
27. As per claim 20, Bowman teaches A method as recited in claim 1, wherein at least some of services are implemented on different computer systems and at least some of these computer systems differ from a computer system which implements the message interchange network (pg 71, [2142]).
28. As per claim 21, Bowman teaches A method as recited in claim 2, wherein the tracking of correlating information comprises:
- receiving a current message at the message interchange network, wherein the current message belong to a current session and a current call (pg 63, [1930]; pg 49, [1434]; pg 51, [1499]; pg 47, [1363]);
  - when this is a first message received for the current session, assigning a session identifier for the current message and embedding the session identifier in the current message prior to forwarding it to its

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destination service (pg 66, [2003]; pg 49, [1434]; pg 42, [1205]);

when this is a first message received for the current call, assigning a call identifier for the current message and embedding the call identifier in the current message prior to forwarding it to its destination service;

assigning a hop identifier for the current message which uniquely identifies the current message (pg 116, [3131-3132]; pg 117, [3140]; pg 118, [3166]; pg 159, [4085]; pg 163, [4135]; pg 164, [4175] ) and

associating and storing the session identifier, the call identifier, and the hop identifier, along with message, call, and session information for the received message (pg 169, pg 151, pg 177).

29. As per claim 22, Bowman teaches A method as recited in claim 2, further comprising:

receiving a query for correlation information regarding a particular session or call, wherein the query is sent by a first one of the services; and

sending correlation information to the first service related to the particular session or call of the query (pg33, [0924], [0915]).

30. As per claim 23, Bowman teaches A method as recited in claim 22, wherein the correlation information includes information regarding messages sent between more than two services (pg 32, [0909]; [0914]).

31. As per claim 24, Bowman teaches A method as recited in claim 22, further comprising determining whether the first service is authorized to make the query and only sending correlation information to the first service when it is determined that the first service is authorized (pg 32, [0894]; pg 31, [0884]; [0880]).

32. As per claim 25, Bowman teaches A method as recited in claim 1, wherein at least one of the services is a routing script (pg 24, [0711]; pg 27, [0758]).



33. As per claims 26-33, claims 26-33 are rejected for the same reasons as rejection to claims 22, 1-3, 8-11 above respectively.

34. As per claims 34-48, claims 34-48 are rejected for the same reasons as rejection to claims 8, 17-21, 26, 25, 1-7 above respectively.

35. As per claims 49-50, claims 49-50 are rejected for the same reasons as rejection to claim 8-9 above respectively.

36. As per claims 51-55, claims 51-55 are rejected for the same reasons as rejection to claim 8, 11, 5, 13, 14 above respectively.

37. As per claims 56-66, claims 56-66 are rejected for the same reasons as rejection to claim 8, 16-21, 26, 23-25 above respectively.

38. As per claim 67, claim 67 is rejected for the same reasons as rejection to claim 26 above.

#### *Conclusion*

39. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following patents and publications are cited to further show the state of the art with respect to

“Apparatus And Methods For Correlating Message Sent Between Services”.

- |      |            |                |
|------|------------|----------------|
| i.   | US 6529489 | Kikuchi et al. |
| ii.  | US 5255389 | Wang           |
| iii. | US 5333312 | Wang           |
| iv.  | US 6091714 | Sensel et al.  |

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chad Zhong whose telephone number is (703) 305-0718. The examiner can normally be reached on M-F 7am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on 703-305-8498. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7239 for regular communications and 703-746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

CZ  
July 9, 2004

  
FRANTZ B. JEAN  
PRIMARY EXAMINER